

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004892.D
 Acq On : 22 Mar 2019 20:12
 Operator : JU/SJ
 Sample : PB117788BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

Quant Time: Mar 23 02:48:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2243	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	8851	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	4876	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	13085	0.40	ng	0.00
27) Chrysene-d12	21.29	240	16514	0.40	ng	0.00
34) Perylene-d12	23.54	264	17598	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	2060	0.34	ng	0.00
5) Phenol-d6	6.87	99	2411	0.32	ng	0.00
8) Nitrobenzene-d5	8.86	82	1795	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	4908	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	899	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	7105	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	13732	0.31	ng	-0.01
29) Terphenyl-d14	19.72	244	11501	0.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	637	0.250	ng	# 61
3) n-Nitrosodimethylamine	3.57	42	408	0.271	ng	# 93
6) bis(2-Chloroethyl)ether	7.13	93	2058	0.300	ng	99
9) Naphthalene	10.53	128	7937	0.320	ng	100
10) Hexachlorobutadiene	10.80	225	1427	0.301	ng	# 99
12) 2-Methylnaphthalene	12.15	142	5571	0.302	ng	99
16) Acenaphthylene	14.05	152	7641	0.304	ng	100
17) Acenaphthene	14.40	154	5155	0.313	ng	99
18) Fluorene	15.39	166	7165	0.312	ng	99
20) 4-Bromophenyl-phenylether	16.27	248	2563	0.300	ng	91
21) Hexachlorobenzene	16.39	284	2700	0.276	ng	94
22) Pentachlorophenol	16.77	266	420	0.220	ng	97
23) Phenanthrene	17.12	178	13025	0.308	ng	99
24) Anthracene	17.22	178	11256	0.298	ng	100
26) Fluoranthene	19.16	202	16270	0.300	ng	99
28) Pyrene	19.52	202	16640	0.330	ng	99
30) Benzo(a)anthracene	21.27	228	16675	0.308	ng	97
31) Chrysene	21.32	228	17949	0.315	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	5630	0.260	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	23830	0.289	ng	99
35) Benzo(b)fluoranthene	22.86	252	19689	0.309	ng	98
36) Benzo(k)fluoranthene	22.90	252	19770	0.316	ng	99
37) Benzo(a)pyrene	23.44	252	18260	0.313	ng	99
38) Dibenzo(a,h)anthracene	25.82	278	19857	0.294	ng	98
39) Benzo(g,h,i)perylene	26.51	276	20658	0.300	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

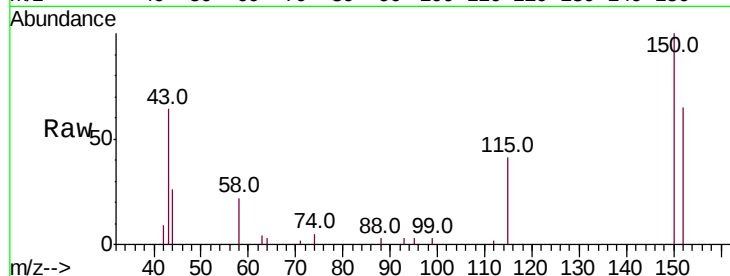
Tot Ion:152 Resp: 2243

Ion Ratio Lower Upper

152 100

150 153.6 126.2 189.4

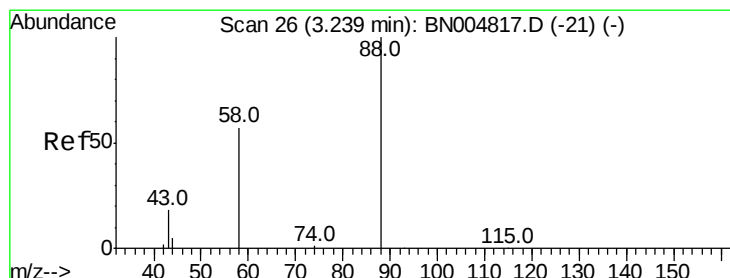
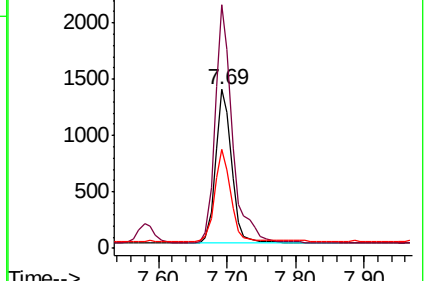
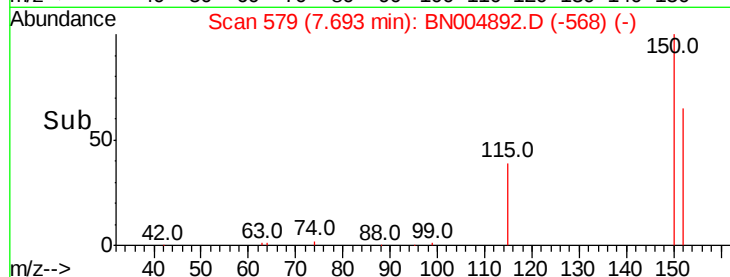
115 62.5 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.250 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.02 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

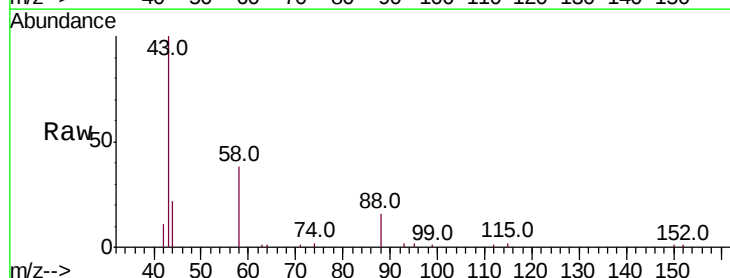
Tgt Ion: 88 Resp: 637

Ion Ratio Lower Upper

88 100

58 91.5 51.4 77.2#

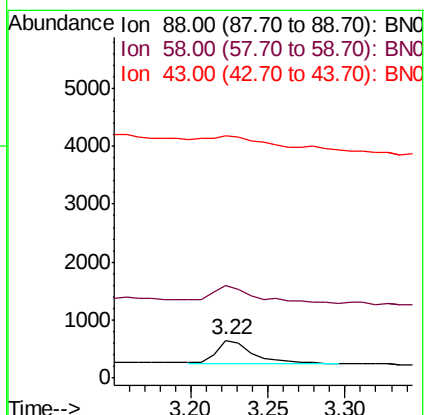
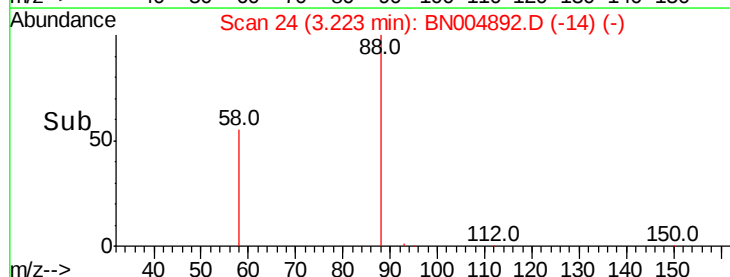
43 0.0 20.0 30.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.271 ng

RT: 3.57 min Scan# 67

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

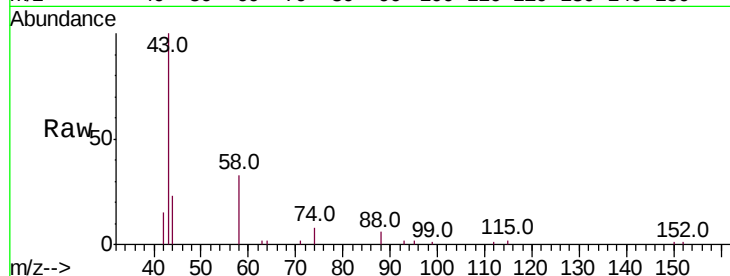
Tot Ion: 42 Resp: 408

Ion Ratio Lower Upper

42 100

74 169.1 128.4 192.6

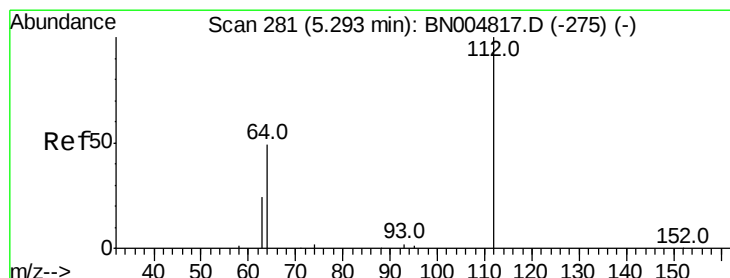
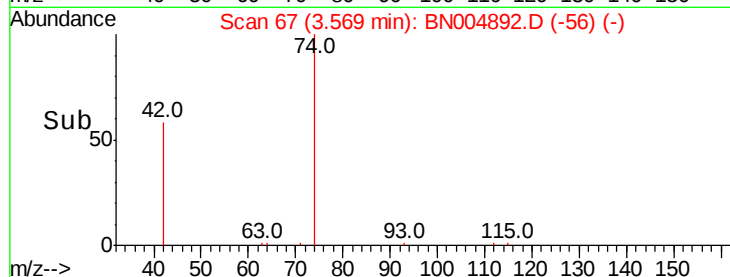
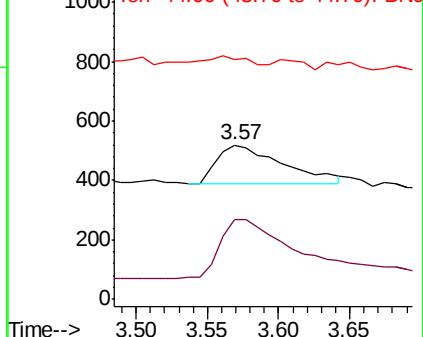
44 16.7 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.338 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

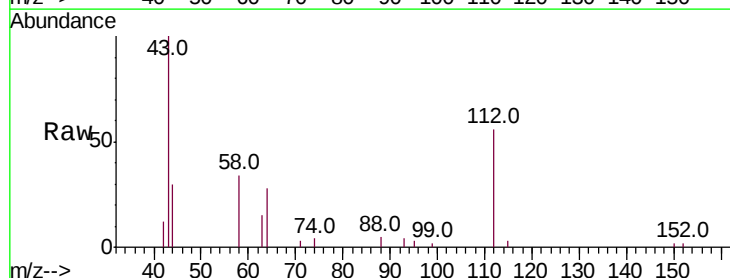
Tgt Ion: 112 Resp: 2060

Ion Ratio Lower Upper

112 100

64 51.7 40.0 60.0

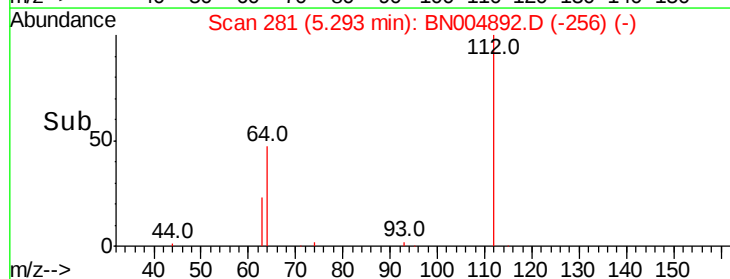
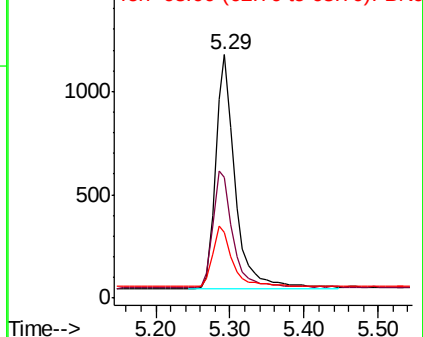
63 26.5 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.318 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

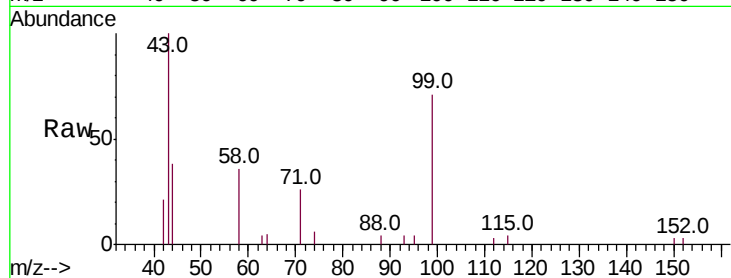
Tot Ion: 99 Resp: 2411

Ion Ratio Lower Upper

99 100

42 15.6 12.7 19.1

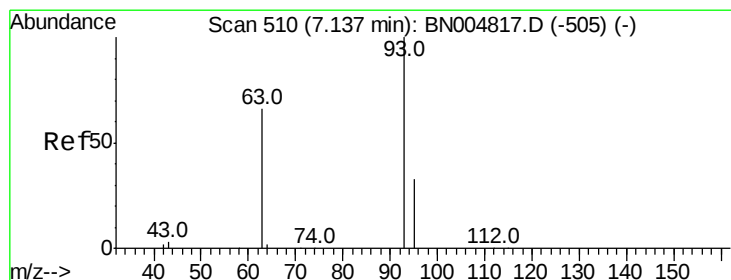
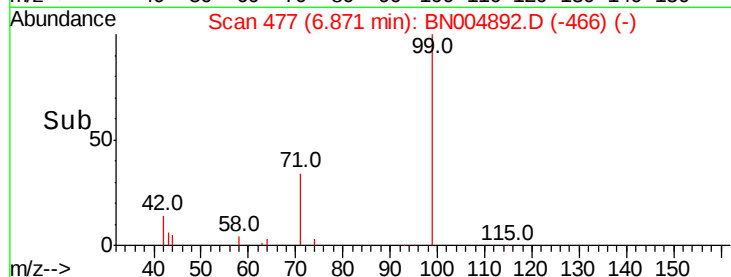
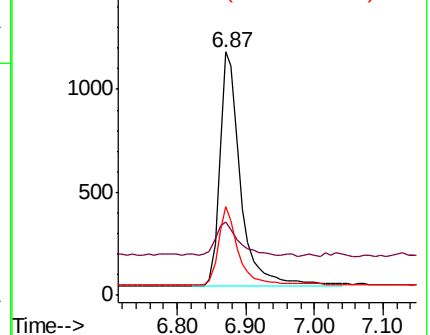
71 30.9 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.300 ng

RT: 7.13 min Scan# 509

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

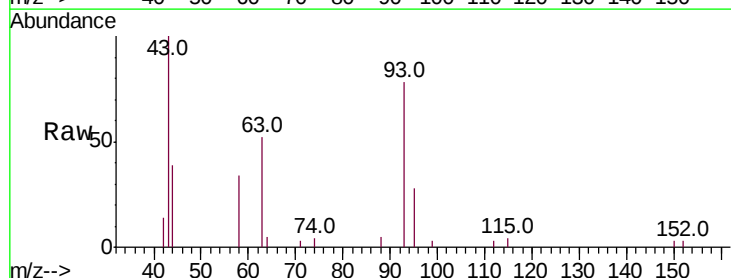
Tgt Ion: 93 Resp: 2058

Ion Ratio Lower Upper

93 100

63 66.7 52.6 78.8

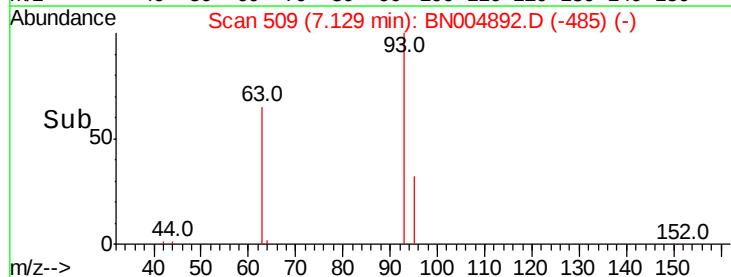
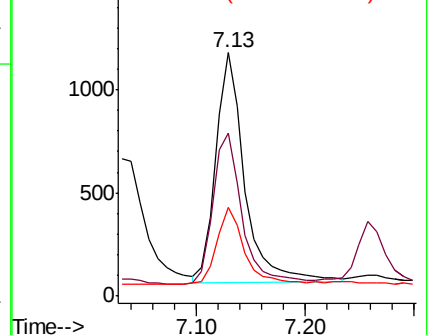
95 32.4 25.9 38.9

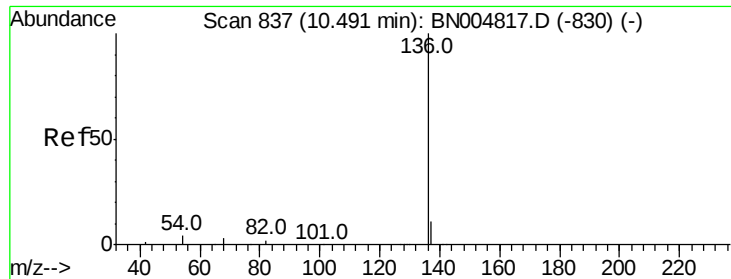


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

Tot Ion:136 Resp: 8851

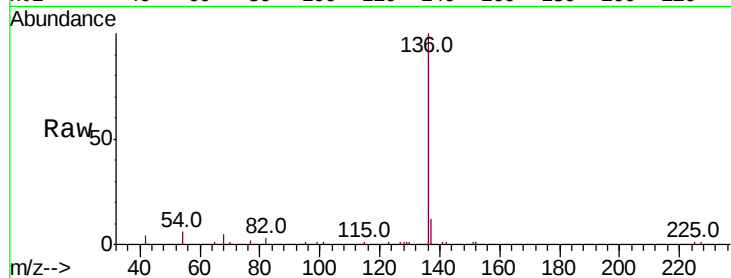
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 5.6 4.2 6.2

68 5.0 3.9 5.9

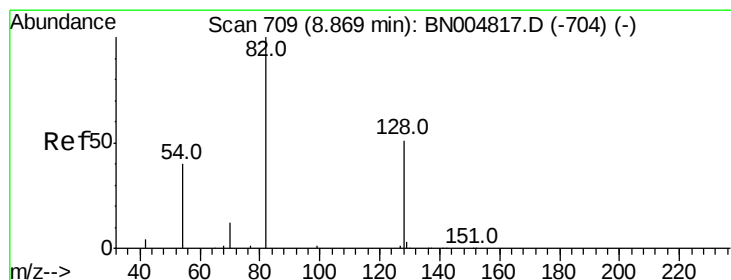
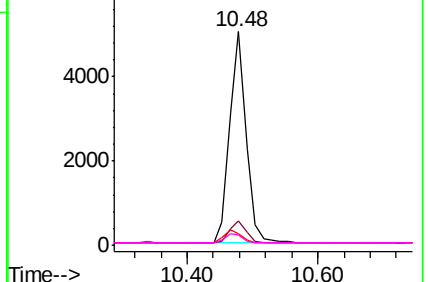
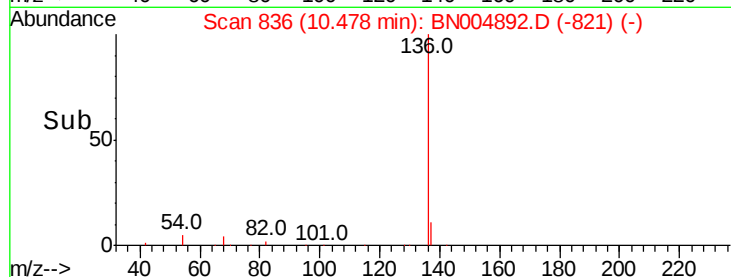


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.307 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

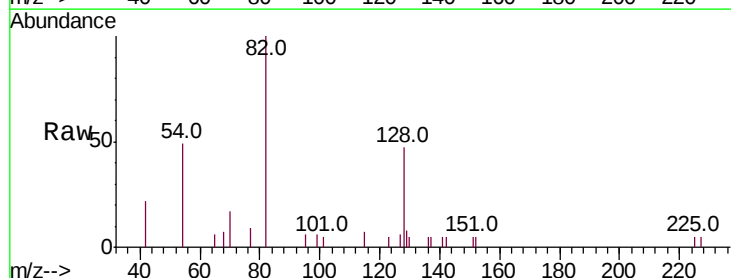
Tgt Ion: 82 Resp: 1795

Ion Ratio Lower Upper

82 100

128 47.4 43.0 64.6

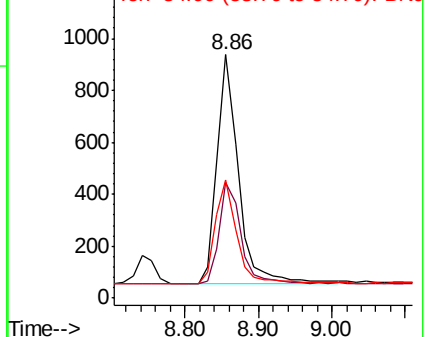
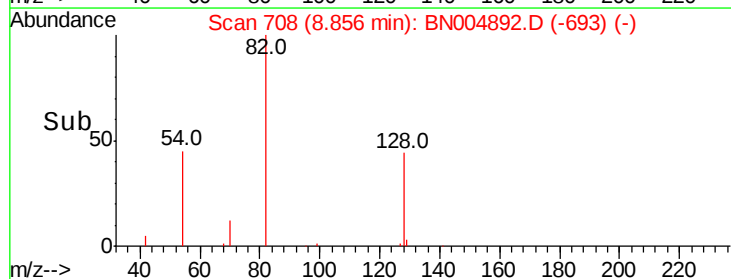
54 48.5 35.3 52.9

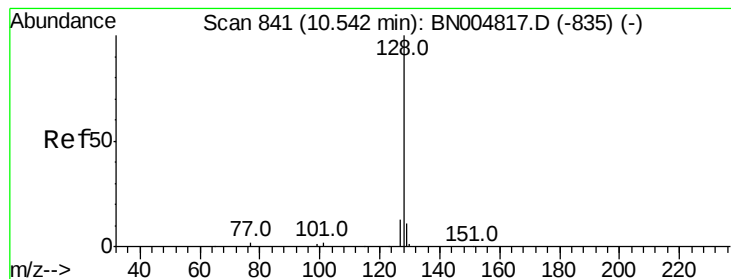


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.320 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

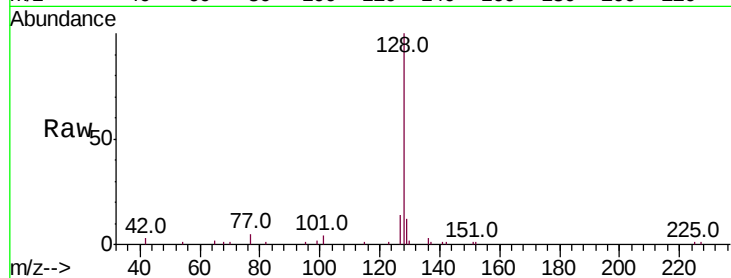
Tot Ion:128 Resp: 7937

Ion Ratio Lower Upper

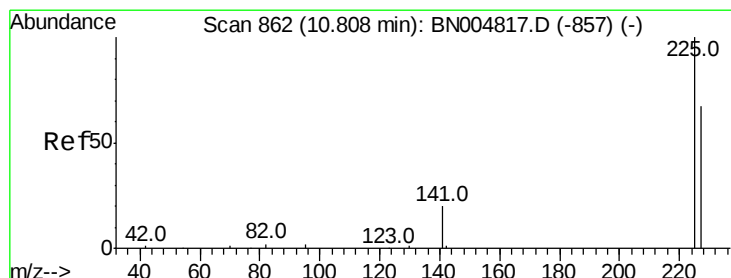
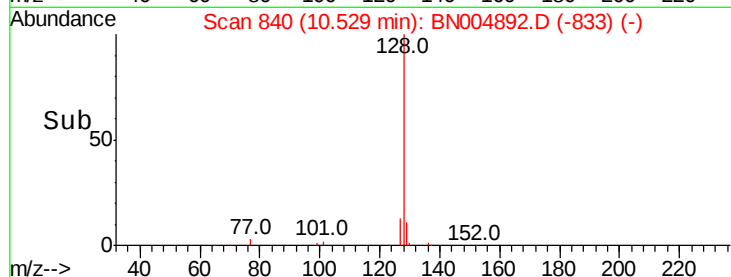
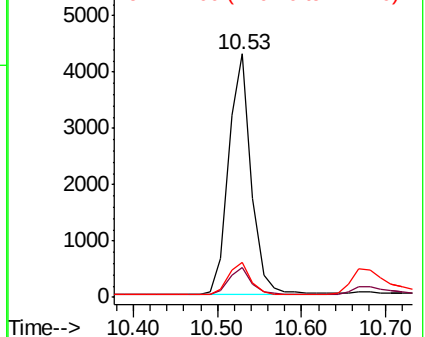
128 100

129 12.0 9.9 14.9

127 14.1 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.301 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

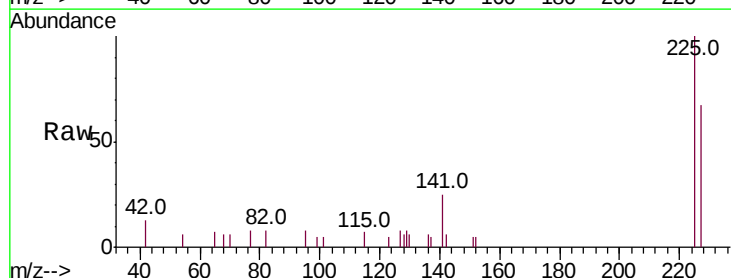
Tgt Ion:225 Resp: 1427

Ion Ratio Lower Upper

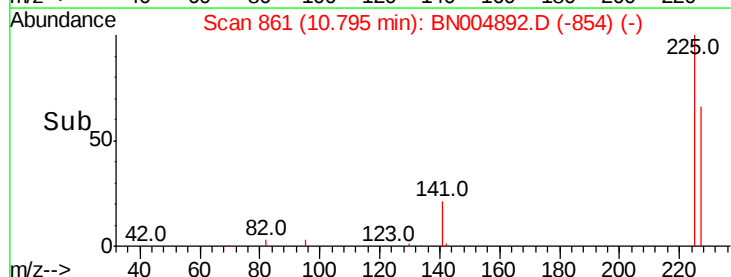
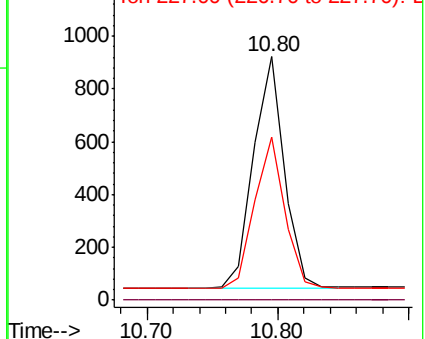
225 100

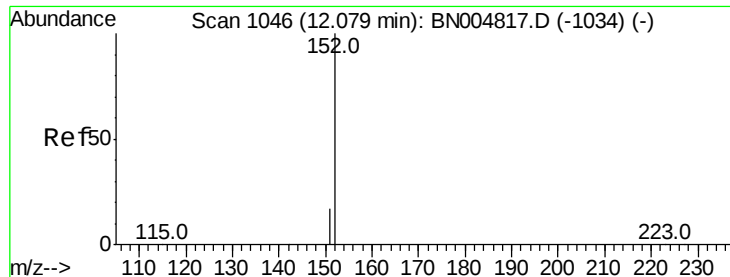
223 0.0 0.0 0.0

227 64.4 52.2 78.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

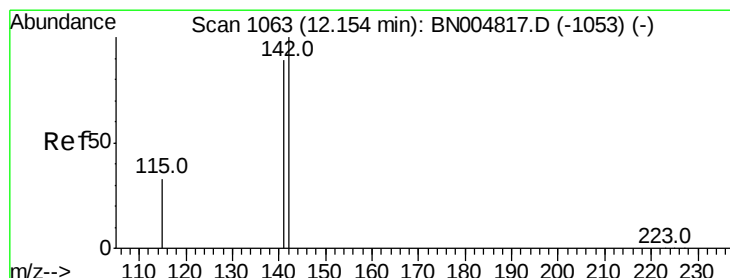
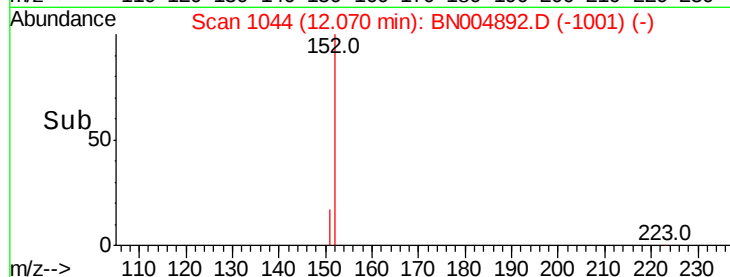
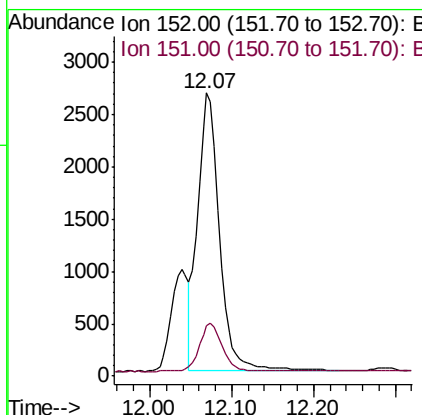
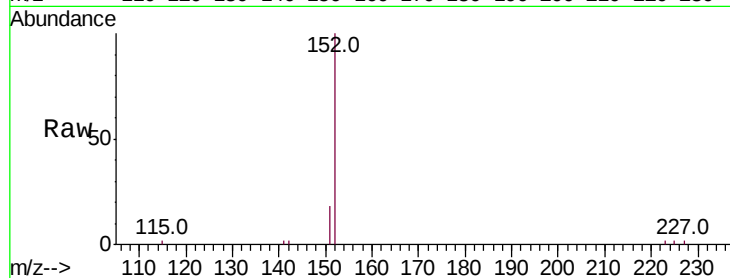




#11
 2-Methylnaphthalene-d10
 Concen: 0.318 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BN004892.D
 Acq: 22 Mar 2019 20:12

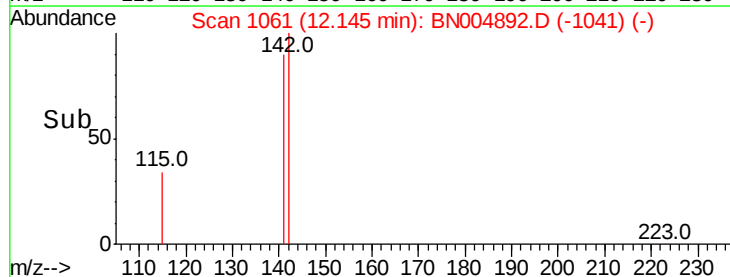
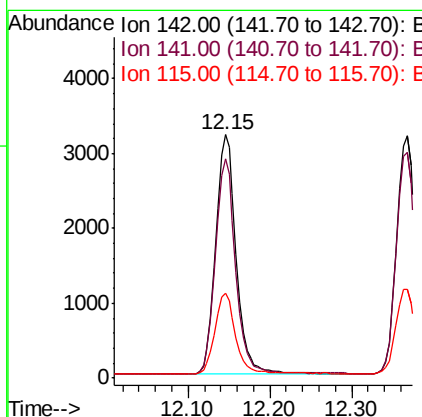
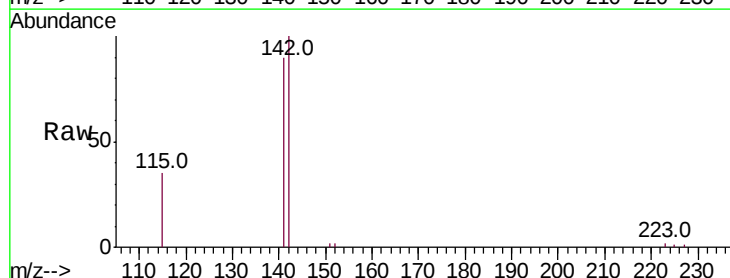
Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

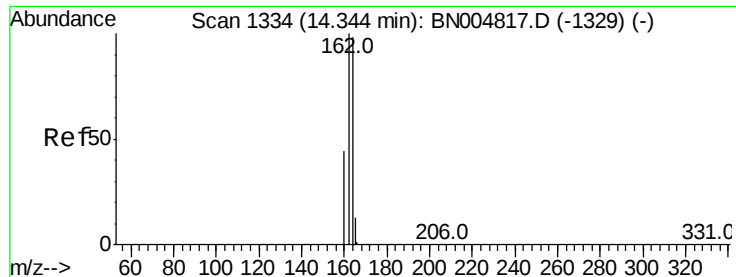
Tot Ion:152 Resp: 4908
 Ion Ratio Lower Upper
 152 100
 151 18.2 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 0.302 ng
 RT: 12.15 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BN004892.D
 Acq: 22 Mar 2019 20:12

Tgt Ion:142 Resp: 5571
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.4 107.2
 115 35.1 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

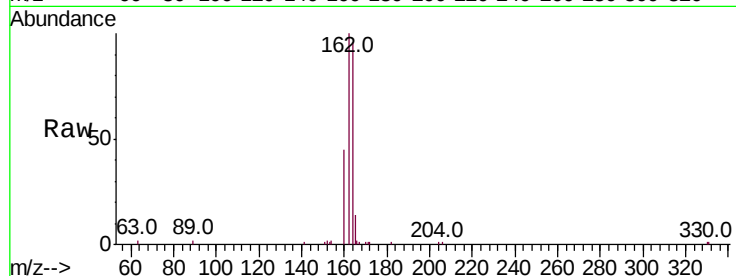
Tot Ion:164 Resp: 4876

Ion Ratio Lower Upper

164 100

162 103.9 81.9 122.9

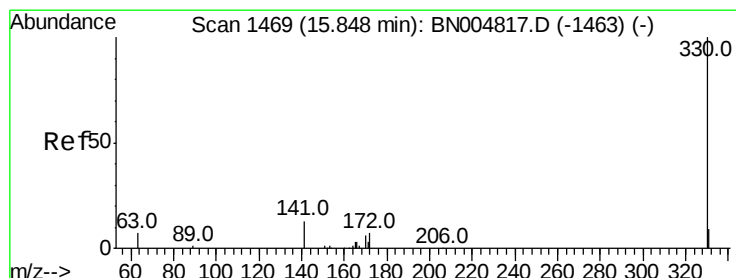
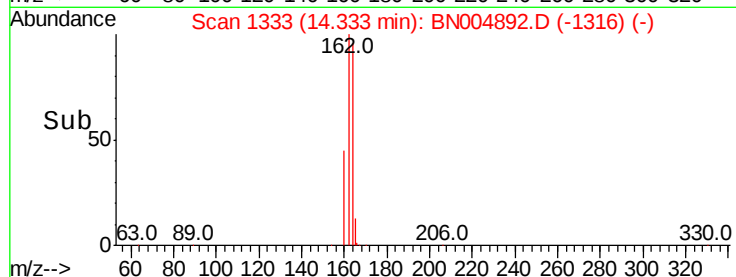
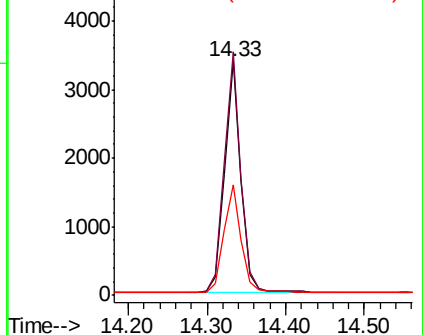
160 47.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.267 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

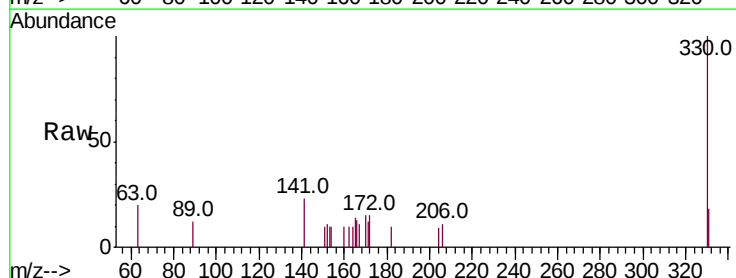
Tgt Ion:330 Resp: 899

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

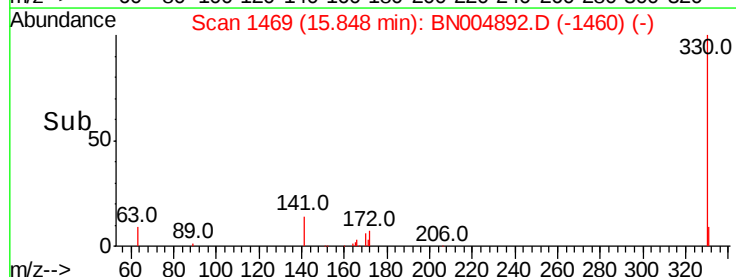
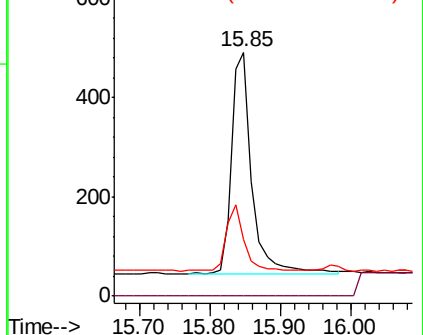
141 27.5 20.9 31.3



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

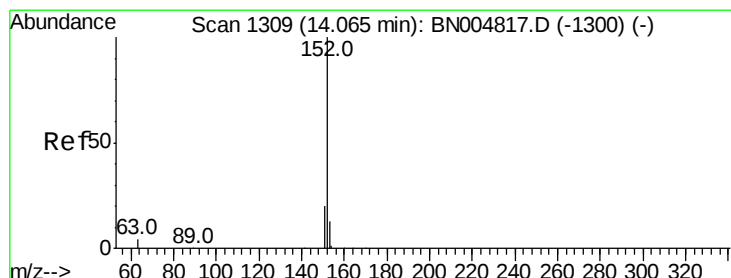
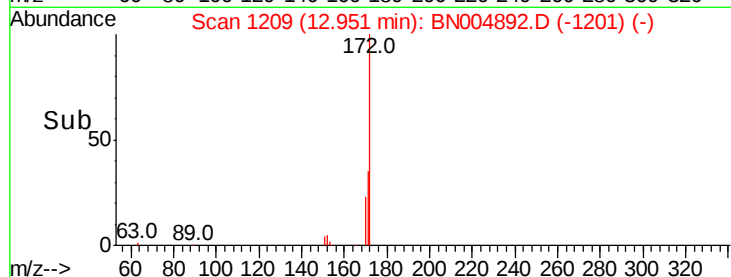
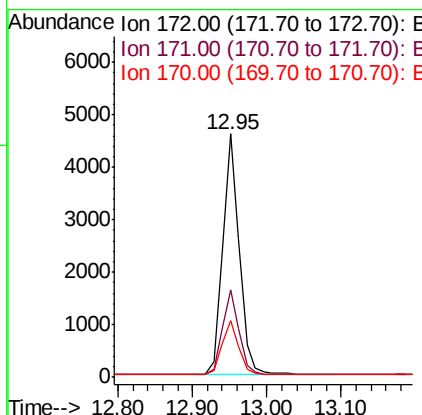
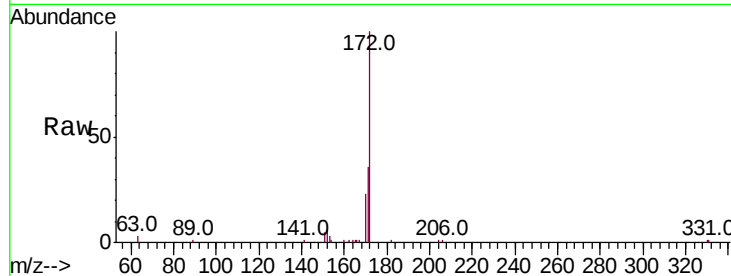




#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004892.D
Acq: 22 Mar 2019 20:12

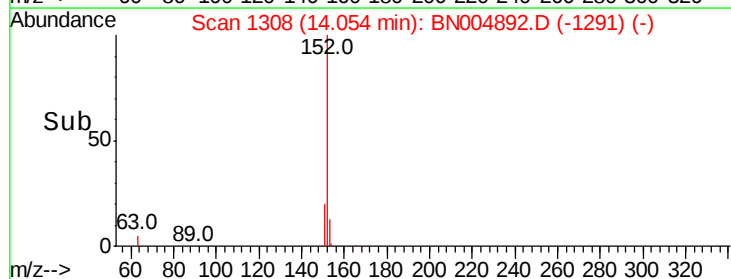
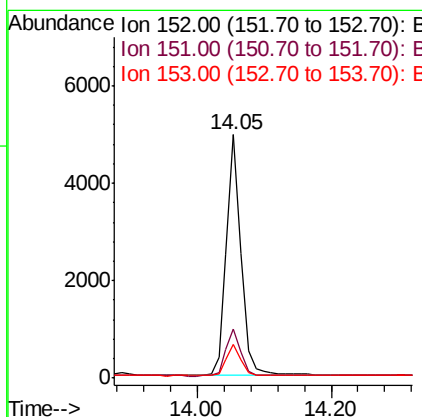
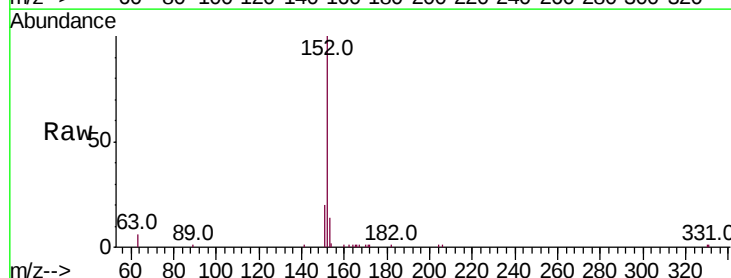
Instrument :
BNA_N
ClientSampleId :
PB117788BS

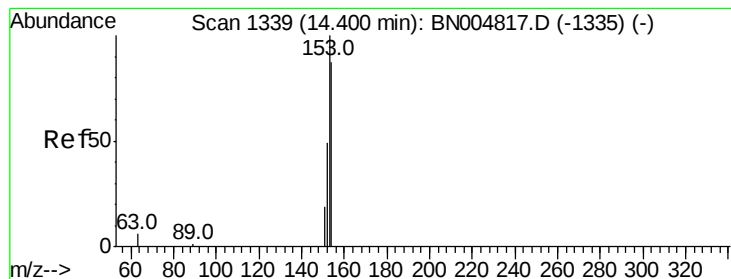
Tot Ion:172 Resp: 7105
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.304 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004892.D
Acq: 22 Mar 2019 20:12

Tgt Ion:152 Resp: 7641
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.313 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

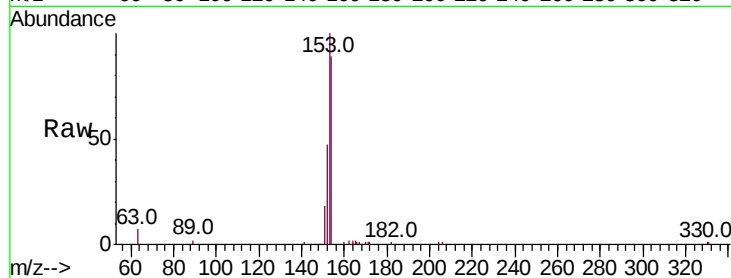
Tot Ion:154 Resp: 5155

Ion Ratio Lower Upper

154 100

153 115.1 91.4 137.2

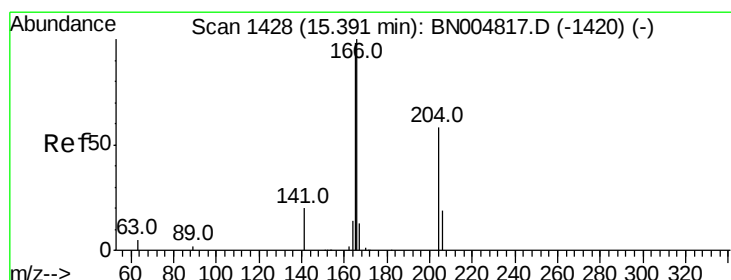
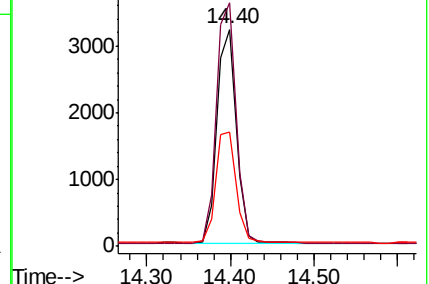
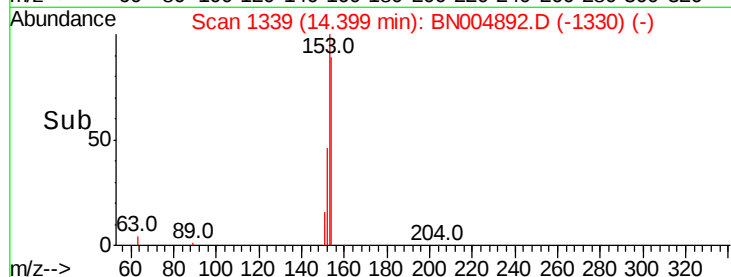
152 54.9 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.312 ng

RT: 15.39 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

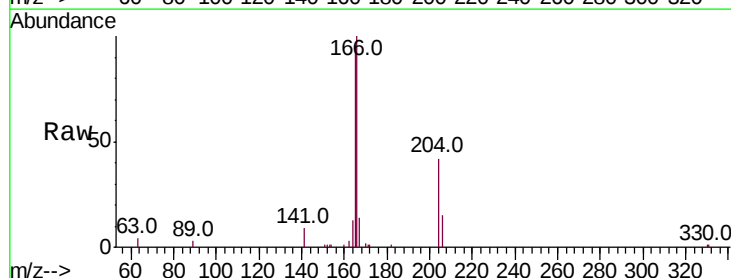
Tgt Ion:166 Resp: 7165

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.4

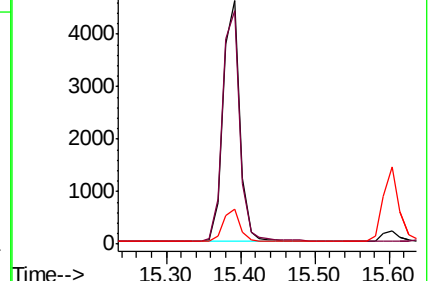
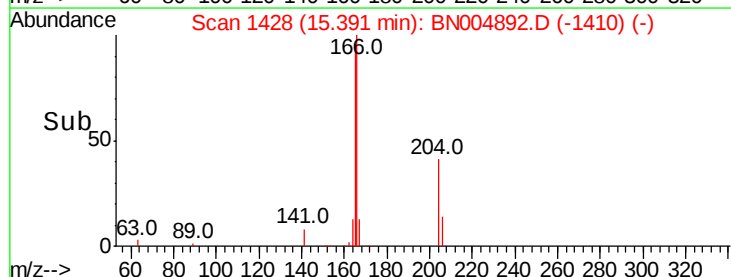
167 13.5 11.0 16.4

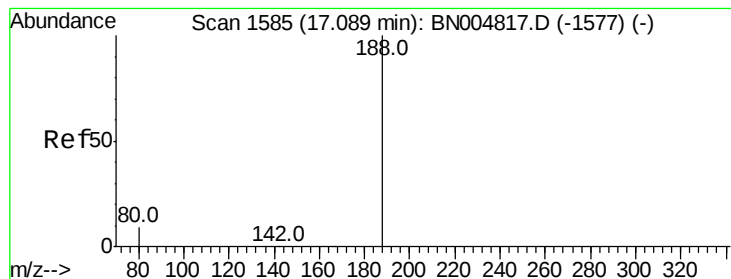


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

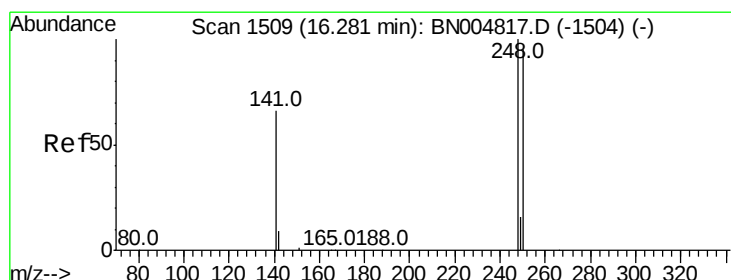
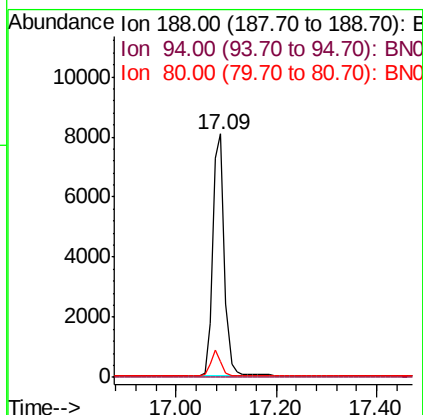
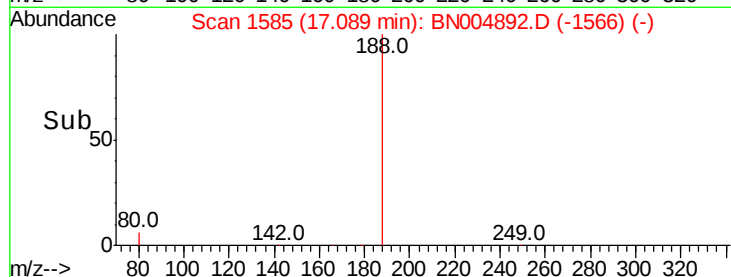
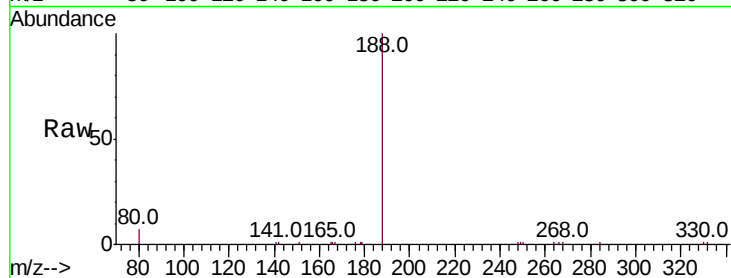
Tot Ion:188 Resp: 13085

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.7 7.4 11.2#



#20

4-Bromophenyl-phenylether

Concen: 0.300 ng

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

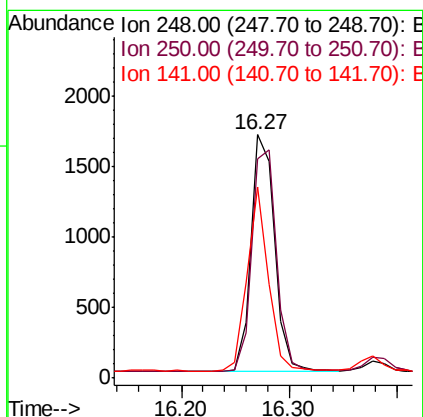
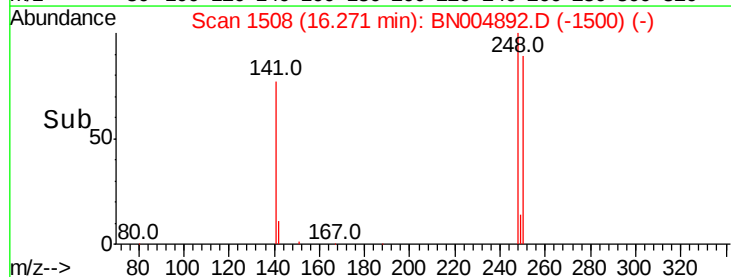
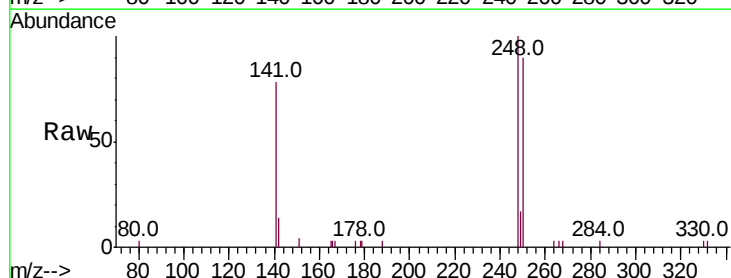
Tgt Ion:248 Resp: 2563

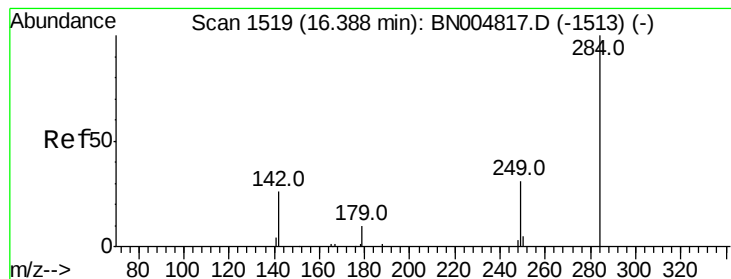
Ion Ratio Lower Upper

248 100

250 89.9 76.2 114.4

141 78.4 53.9 80.9





#21

Hexachlorobenzene

Concen: 0.276 ng

RT: 16.39 min Scan# 1519

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

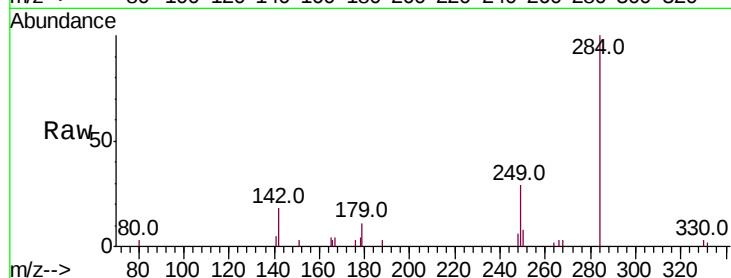
Tot Ion:284 Resp: 2700

Ion Ratio Lower Upper

284 100

142 32.0 22.6 34.0

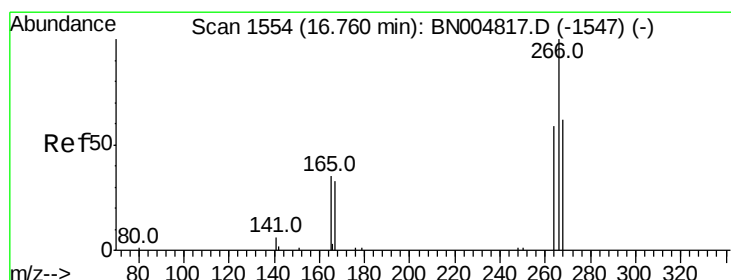
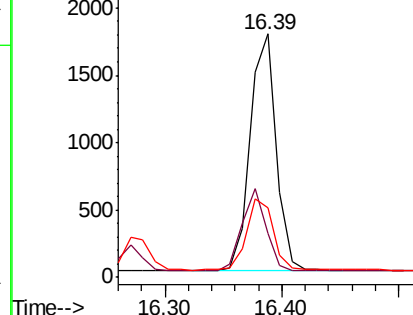
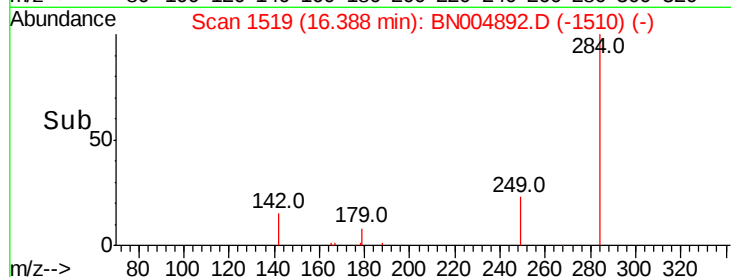
249 30.5 22.5 33.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.220 ng

RT: 16.77 min Scan# 1555

Delta R.T. 0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

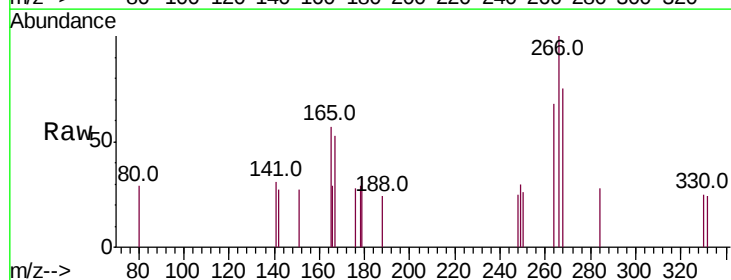
Tgt Ion:266 Resp: 420

Ion Ratio Lower Upper

266 100

264 67.9 53.1 79.7

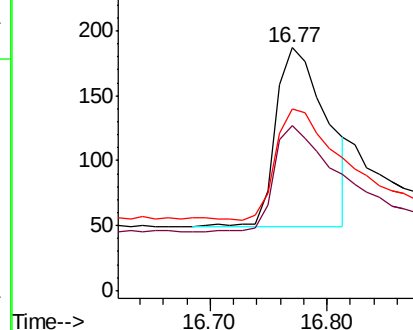
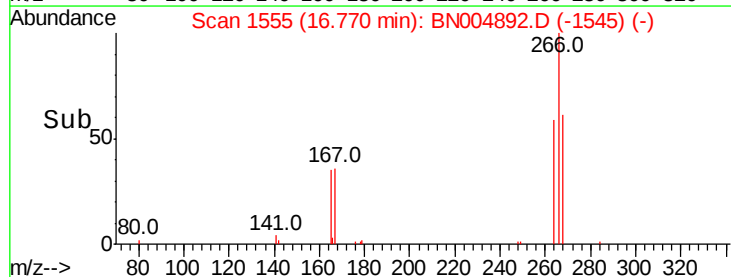
268 74.9 57.7 86.5

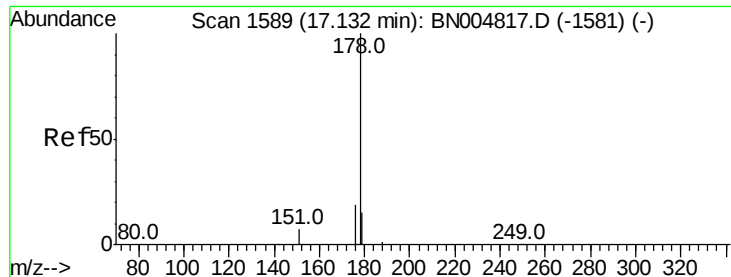


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.308 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

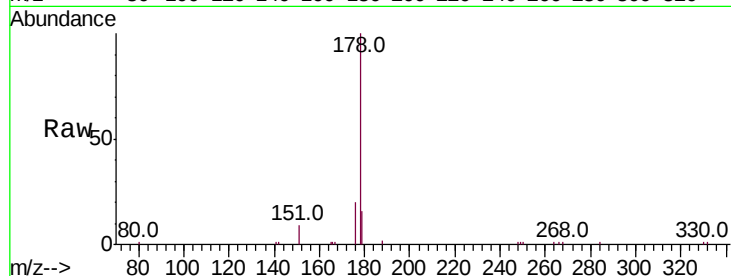
Tot Ion:178 Resp: 13025

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

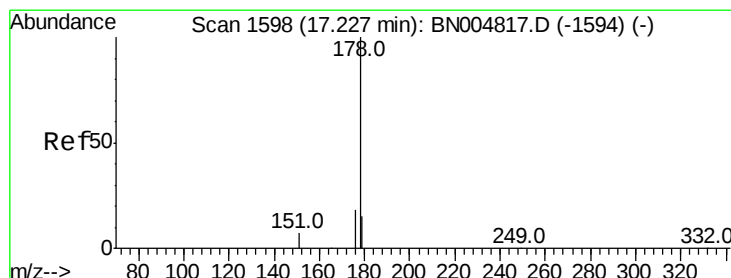
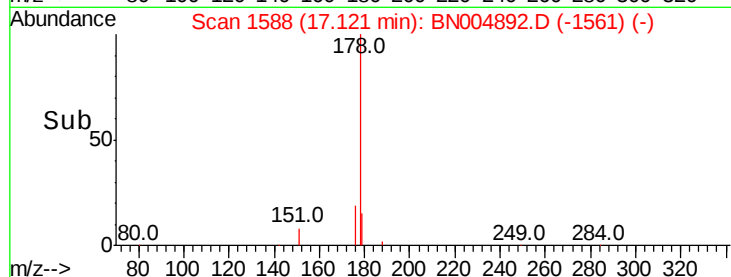
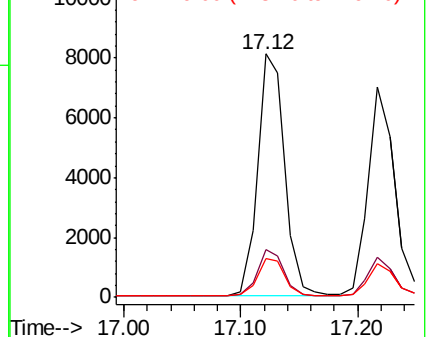
179 15.5 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.298 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

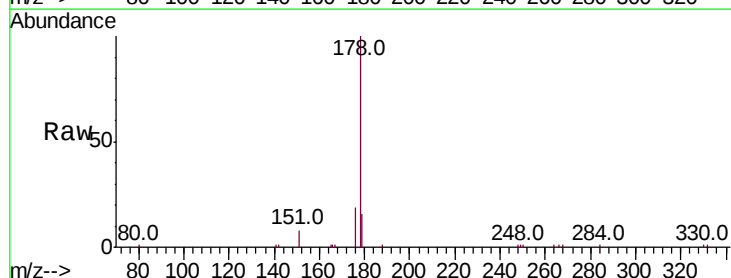
Tgt Ion:178 Resp: 11256

Ion Ratio Lower Upper

178 100

176 18.4 14.5 21.7

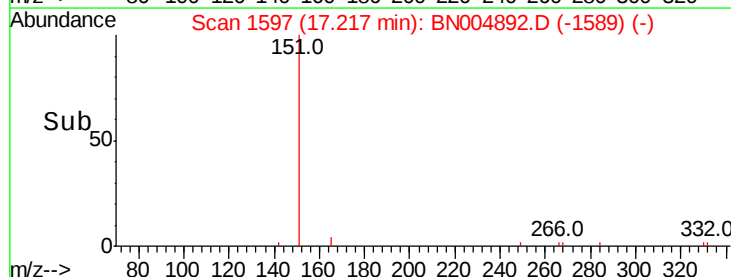
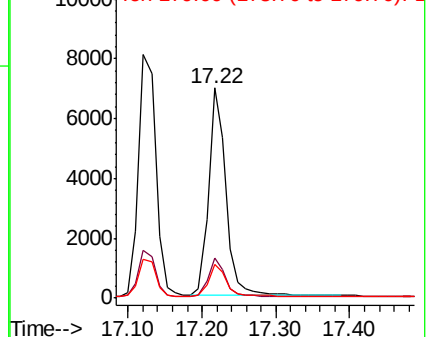
179 15.3 12.2 18.4

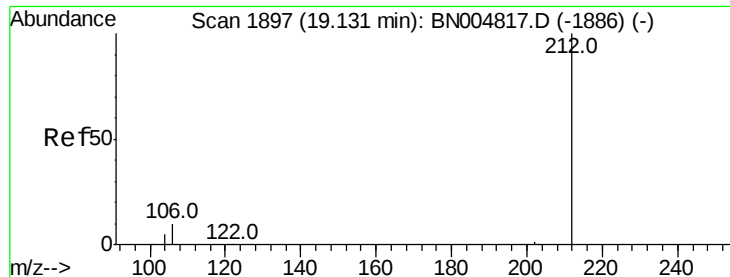


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.313 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

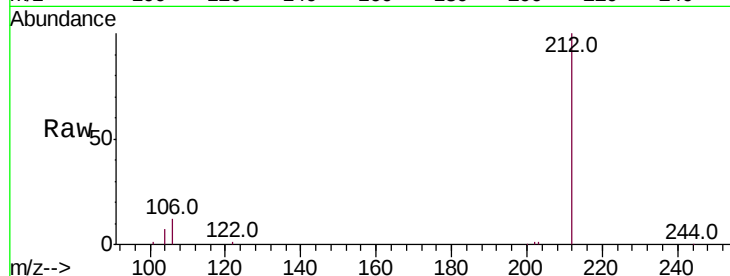
Tot Ion:212 Resp: 13732

Ion Ratio Lower Upper

212 100

106 11.3 8.6 13.0

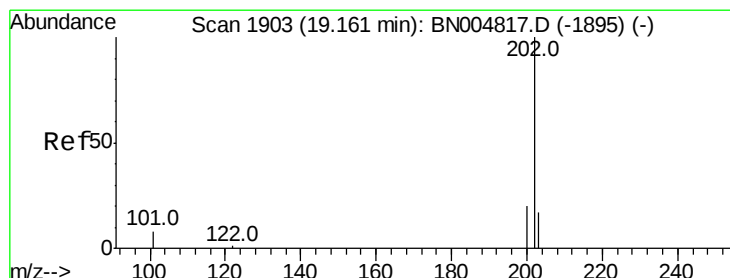
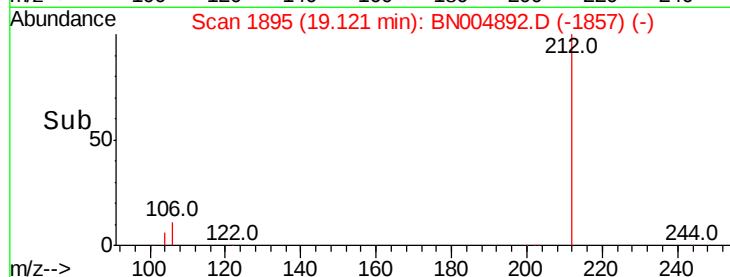
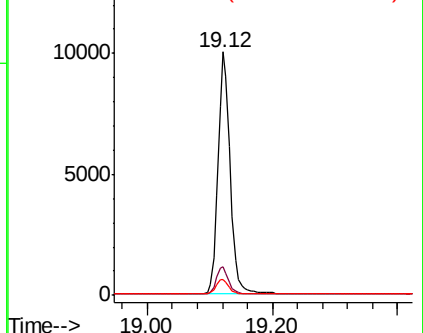
104 6.3 4.7 7.1



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.300 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

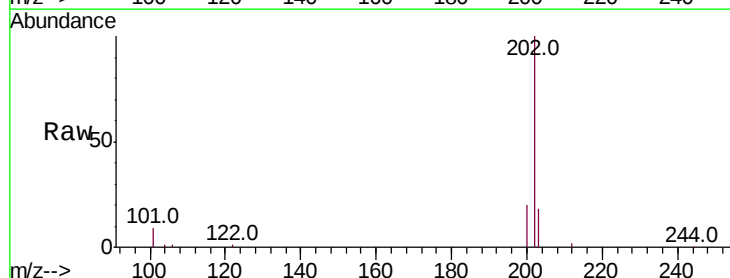
Tgt Ion:202 Resp: 16270

Ion Ratio Lower Upper

202 100

101 9.8 7.5 11.3

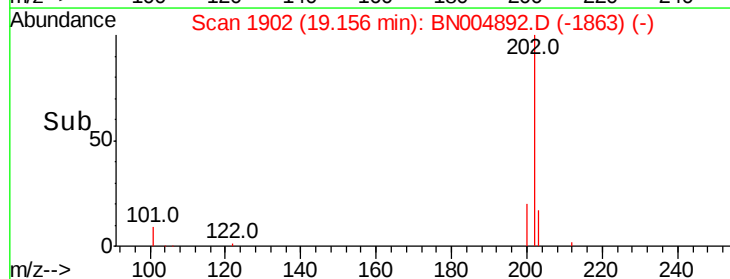
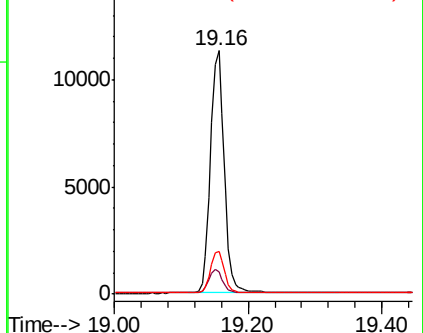
203 17.3 13.8 20.6

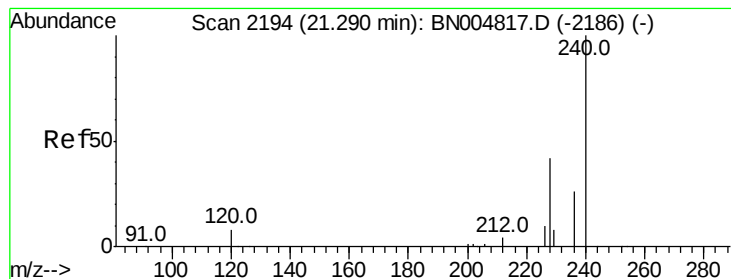


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

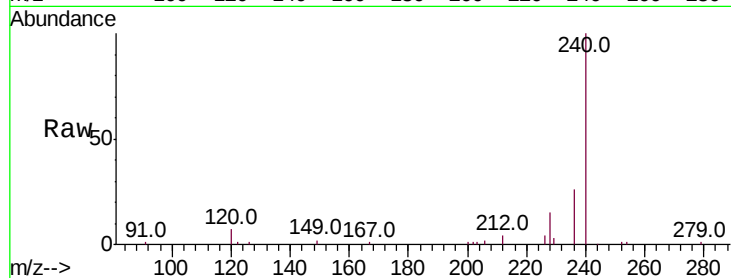
Tot Ion:240 Resp: 16514

Ion Ratio Lower Upper

240 100

120 6.6 7.2 10.8#

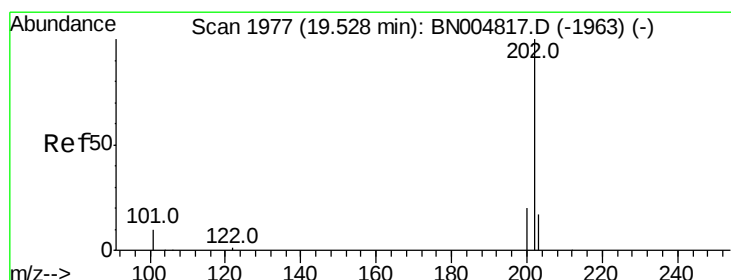
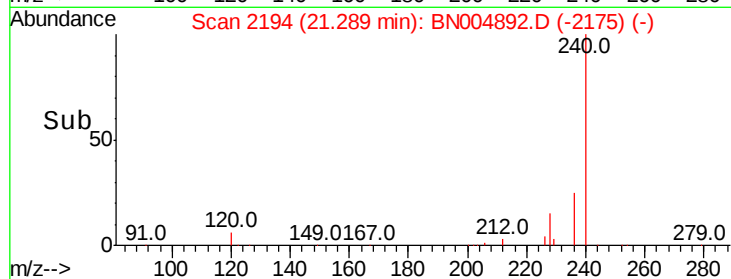
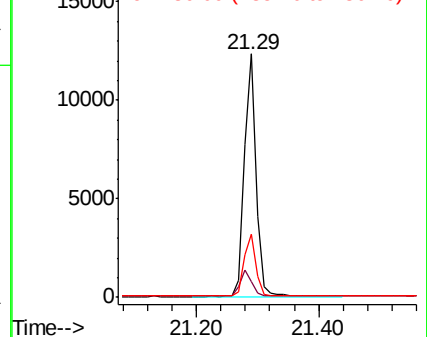
236 25.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.330 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

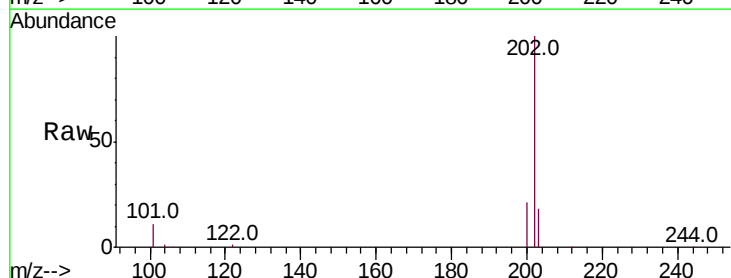
Tgt Ion:202 Resp: 16640

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

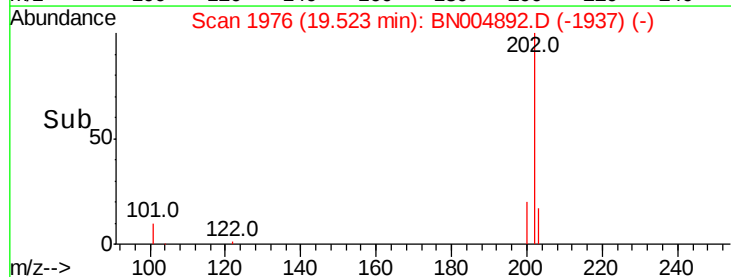
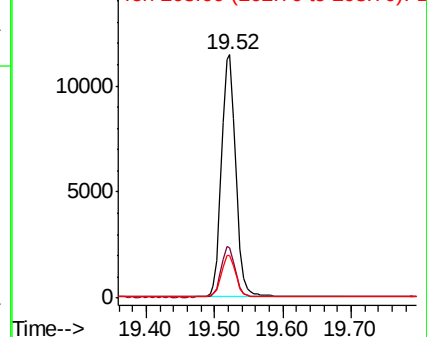
203 17.9 14.0 21.0

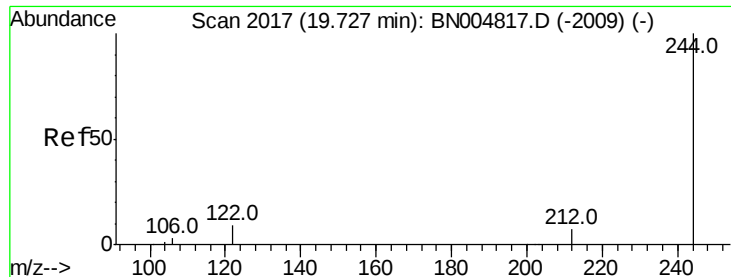


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.340 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

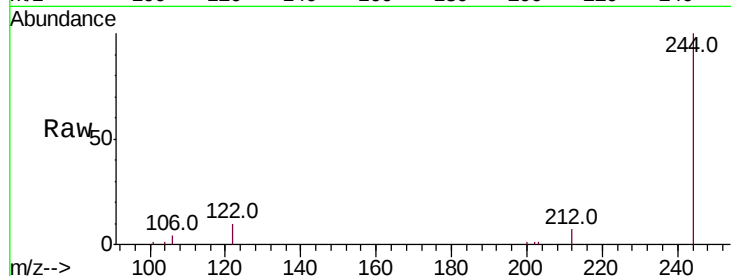
Tot Ion:244 Resp: 11501

Ion Ratio Lower Upper

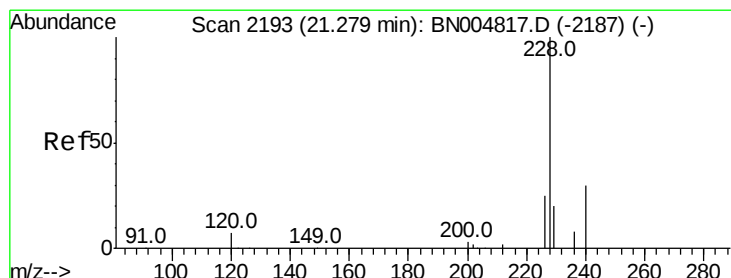
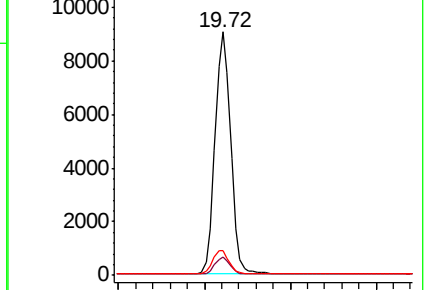
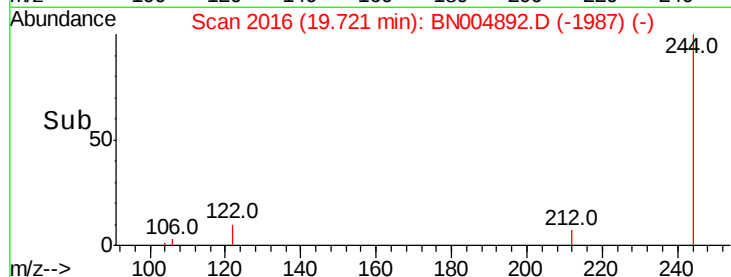
244 100

212 7.4 5.8 8.6

122 10.2 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.308 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

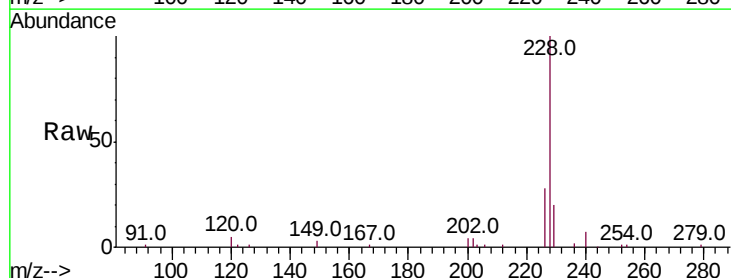
Tgt Ion:228 Resp: 16675

Ion Ratio Lower Upper

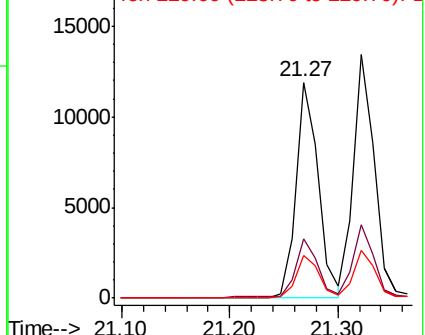
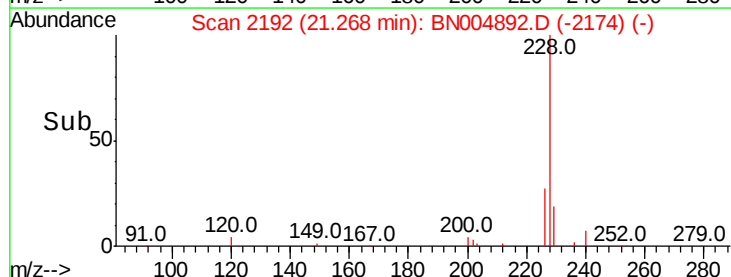
228 100

226 27.6 20.6 31.0

229 19.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.315 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

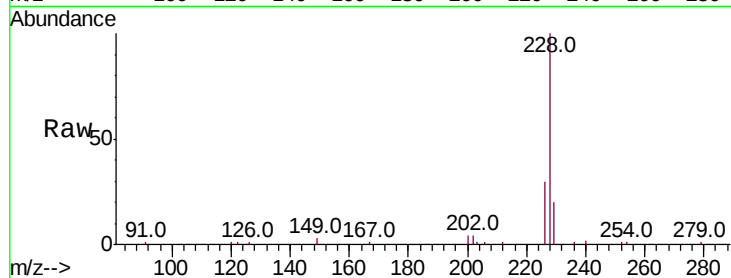
BNA_N

ClientSampleId :

PB117788BS

Tot Ion:228 Resp: 17949

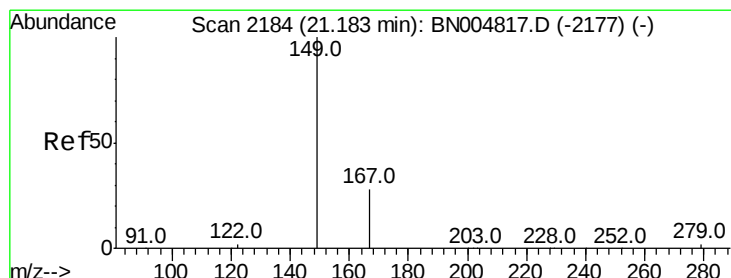
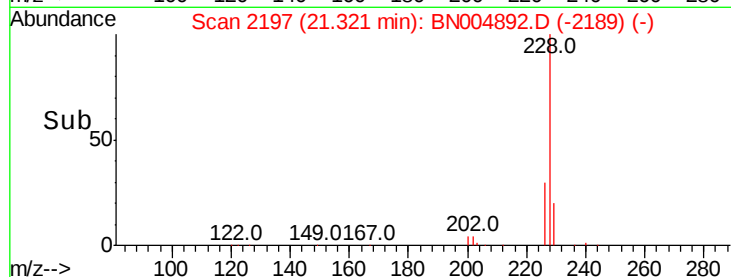
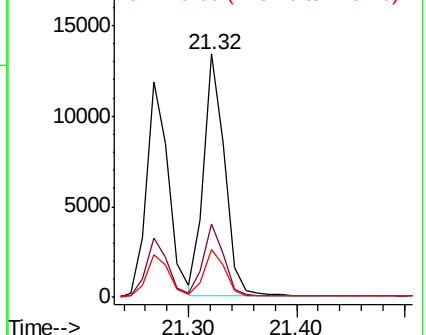
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.6
229	19.9	16.2	24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.260 ng

RT: 21.18 min Scan# 2184

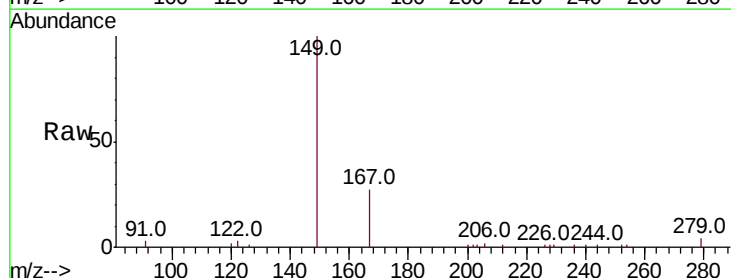
Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Tgt Ion:149 Resp: 5630

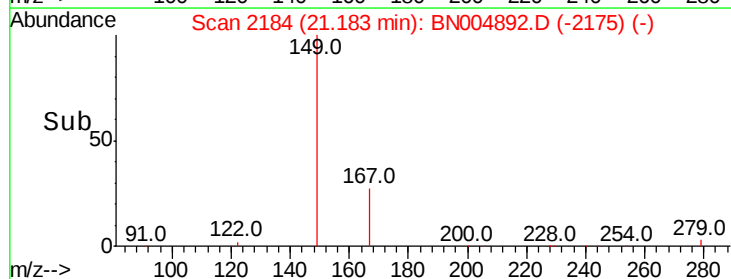
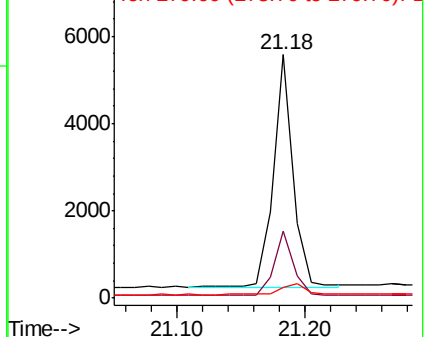
Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.0	34.4
279	5.3	4.6	6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.289 ng

RT: 25.81 min Scan# 3294

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

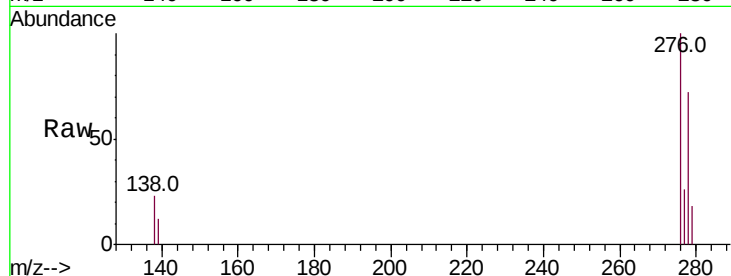
Tot Ion:276 Resp: 23830

Ion Ratio Lower Upper

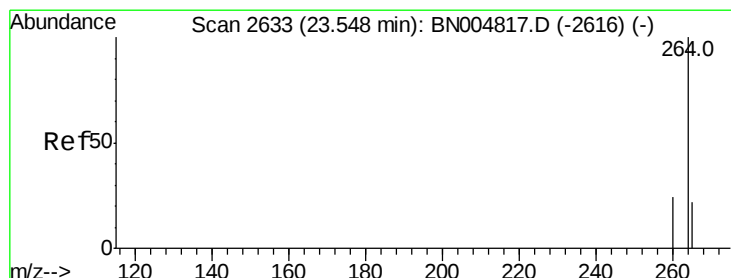
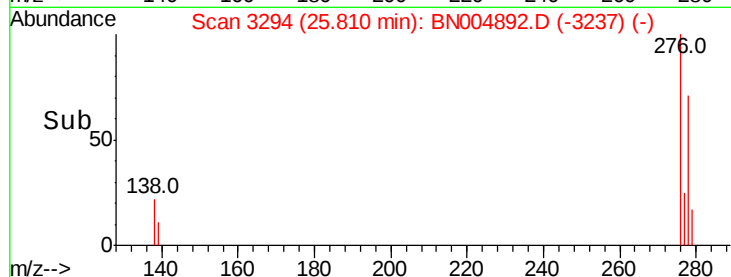
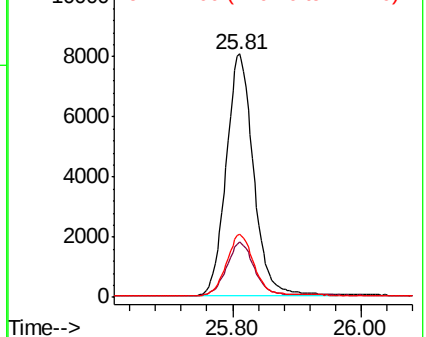
276 100

138 22.1 16.6 24.8

277 25.2 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

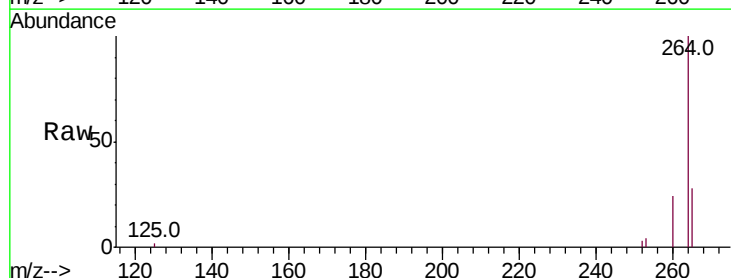
Tgt Ion:264 Resp: 17598

Ion Ratio Lower Upper

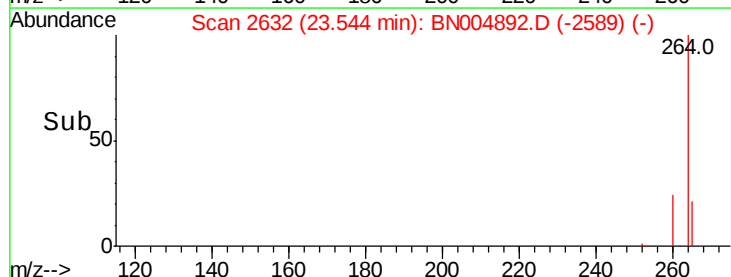
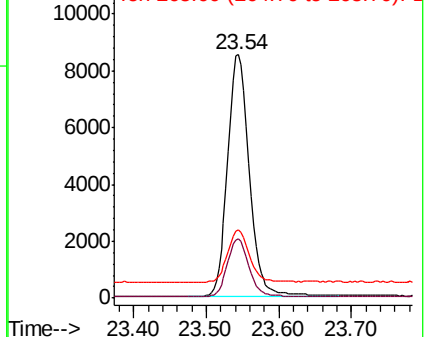
264 100

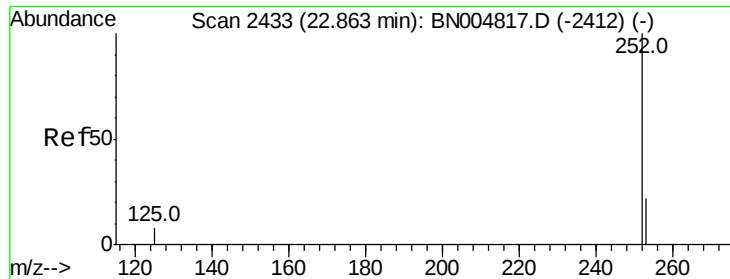
260 24.3 19.5 29.3

265 27.8 23.1 34.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

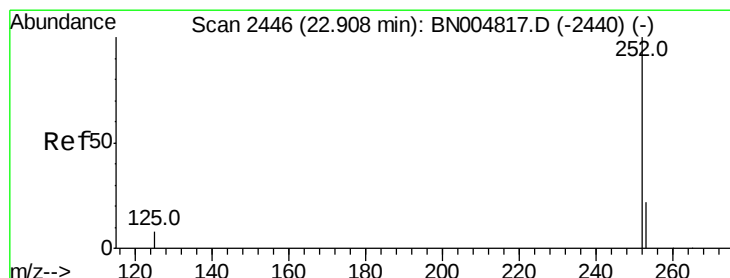
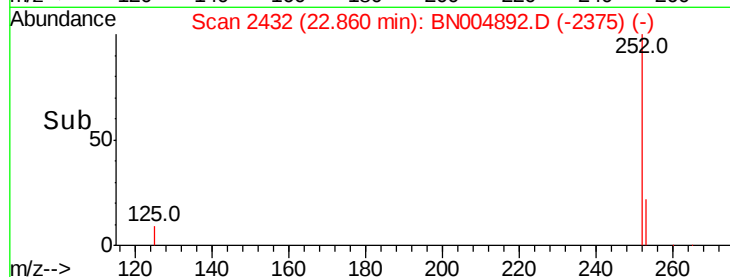
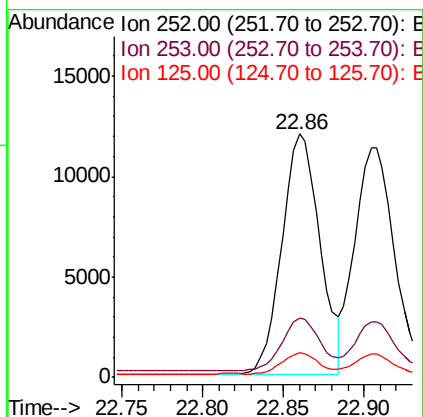
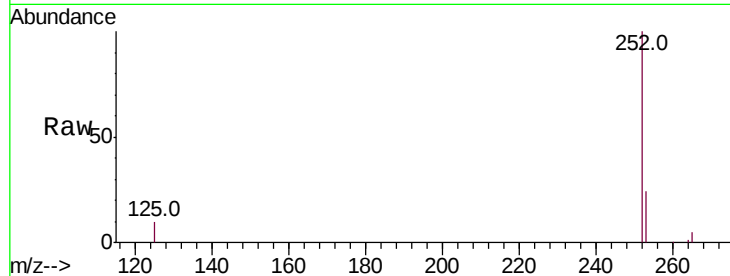




#35
Benzo(b)fluoranthene
Concen: 0.309 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004892.D
Acq: 22 Mar 2019 20:12

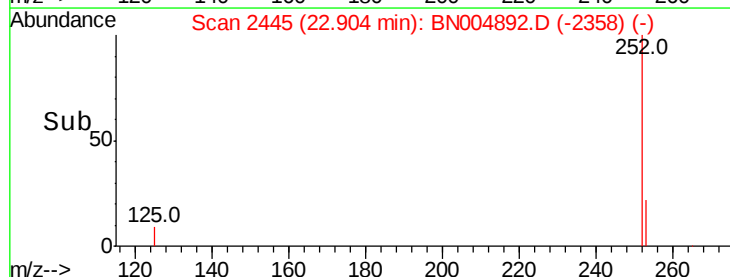
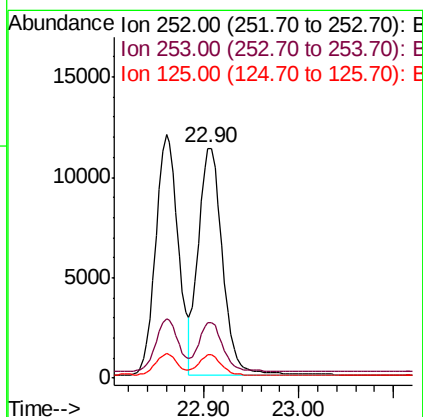
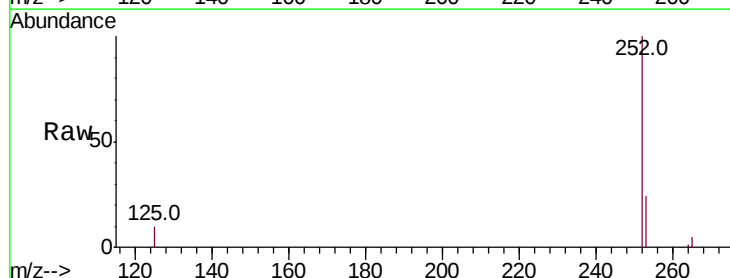
Instrument :
BNA_N
ClientSampleId :
PB117788BS

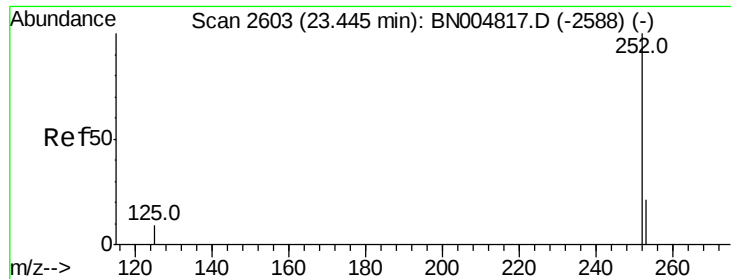
Tot Ion:252 Resp: 19689
Ion Ratio Lower Upper
252 100
253 24.3 19.0 28.4
125 10.1 7.4 11.2



#36
Benzo(k)fluoranthene
Concen: 0.316 ng
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004892.D
Acq: 22 Mar 2019 20:12

Tgt Ion:252 Resp: 19770
Ion Ratio Lower Upper
252 100
253 24.2 19.3 28.9
125 10.1 7.4 11.0





#37

Benzo(a)pyrene

Concen: 0.313 ng

RT: 23.44 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

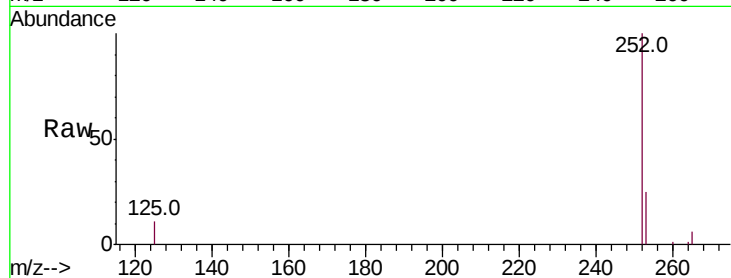
Tot Ion:252 Resp: 18260

Ion Ratio Lower Upper

252 100

253 24.8 19.7 29.5

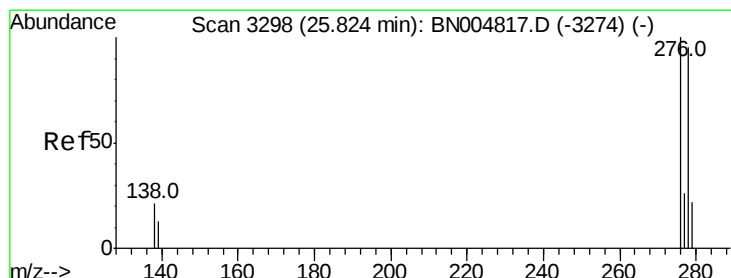
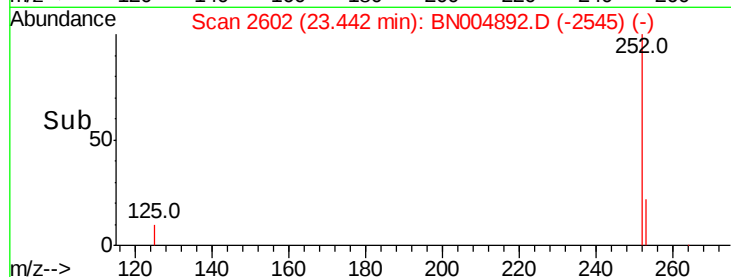
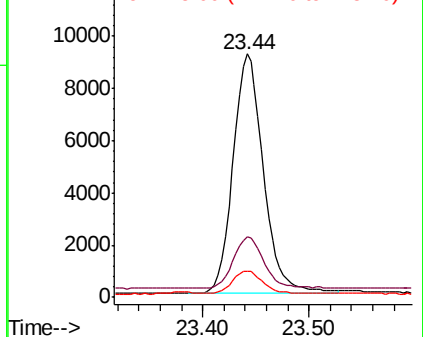
125 10.9 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.294 ng

RT: 25.82 min Scan# 3297

Delta R.T. -0.00 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

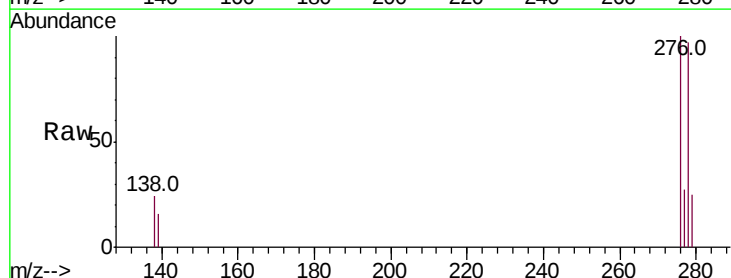
Tgt Ion:278 Resp: 19857

Ion Ratio Lower Upper

278 100

139 16.0 11.7 17.5

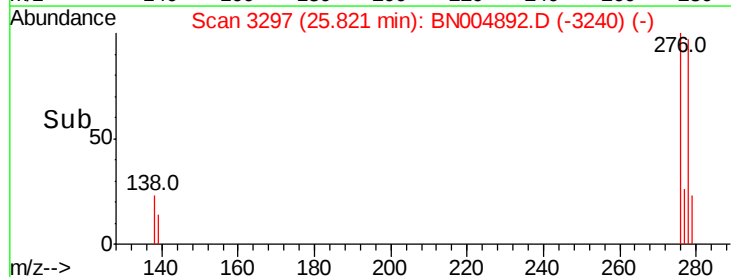
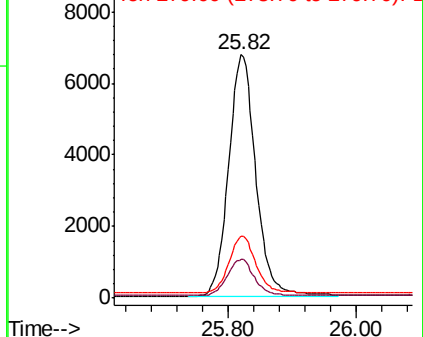
279 25.5 19.9 29.9

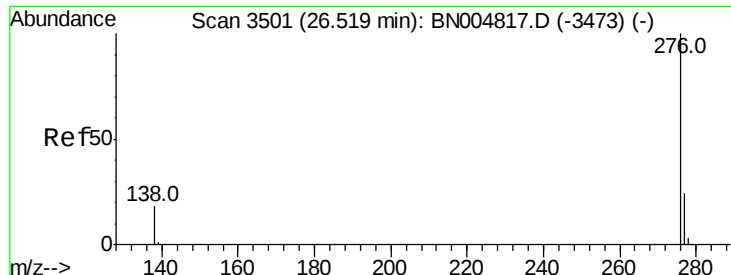


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.300 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004892.D

Acq: 22 Mar 2019 20:12

Instrument :

BNA_N

ClientSampleId :

PB117788BS

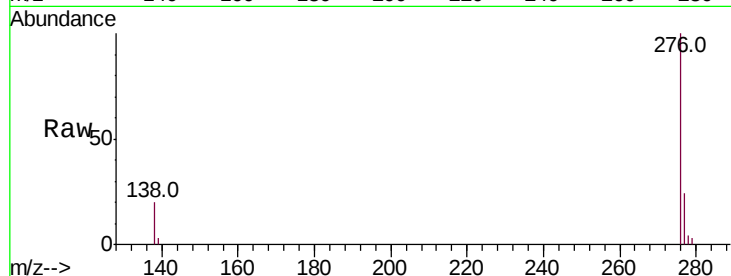
Tot Ion:276 Resp: 20658

Ion Ratio Lower Upper

276 100

277 24.4 19.7 29.5

138 20.0 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

